Form PTO-1449 (modified)		Application No.:	09/237,605
LIST OF ART CITED BY APPLICANT		Filing Date:	January 25, 1999
		First Named Inventor:	Richard J. Lazzara
		Group Art Unit:	3738
		Examiner:	Paul B. Prebilic
Sheet 1 of 1		Attorney Docket No.:	47168-00035USC1

U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)

FOREIGN PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)

Examiner Initial	Ref.	Document Information
	C45	Declaration of Prabhu Gubbi presenting information on the surfaces of 61 implants (November 2, 2001)

EXAMINER	**DATE CONSIDERED**

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PBP	A54	3,022,783	02/27/1962	Tucker, Jr.	~~128~~	~~1~~	
	A55	3,605,123	09/20/1971	Hahn	~~3~~	~~1~~	
	A56	3,767,437	10/23/1973	Cruz, Jr.	~~106~~	~~161~~	
	A57	3,919,723	11/18/1975	Heimke et al.	~~3~~	~~1.9~~	
	A58	3,986,212	10/19/1976	Sauer	~~3~~	~~1.91~~	
	A59	3,987,499	10/26/1976	Scharbach et al.	~~3~~	~~1.91~~	
	A60	4,051,598	10/04/1977	Sneer	~~32~~	~~10 A~~	
	A61	4,199,864	04/29/1980	Ashman	~~433~~	~~175~~	
	A62	4,261,350	04/14/1981	Branemark et al.	~~128~~	~~92 BC~~	
	A63	4,330,891	05/25/1982	Brånemark et al.	~~3~~	~~1~~	
	A64	4,336,618	06/29/1982	Raab	~~3~~	~~1.913~~	
	A65	4,871,578	10/03/1989	Adam et al.	~~427~~	~~2~~	
	A66	4,988,299	01/29/1991	Branemark	433	174	
	A67	5,571,188	11/05/1996	Ellingsen et al.	~~623~~	~~16~~	
	A68	6,069,295	05/30/2000	Leitao	~~623~~	~~11~~	

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PBP	B8	2 289 160	10/30/1974	France	~~A 61 F~~	~~1/00~~	Abstract
	B9	2 313 678	10/03/1974	Germany	~~A 61 F~~	~~1/00~~	Abstract
	B10	834,256	05/04/1960	U.K.	~~A 01 N~~		N/A

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PBP	C49	Karagianes, M. T., D.V.M., "*Porous Metals As A Hard Tissue Substitute*," Biomat. Med. Dev., Art. Crg., Volume 1, No. 1, pp. 171-181 (1973)
PBP	C50	Wheeler, K. R., et al., "*Porous Metals As A Hard Tissue Substitute. Part II. Porous Metal Properties*," Biomat. Med. Dev., Art. Org., Volume 1, No. 2, pp. 337-348 (1973)

EXAMINER Paul Prebilic DATE CONSIDERED 7-15-02

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	A69	~~3,605,123~~	~~09/20/71~~	~~Hahn~~	~~3~~	~~1~~	
PP	A70	4,406,761	09/27/83	Shimogori et al.	~~204~~	~~144.5~~	
	A71	~~4,330,891~~	~~05/25/82~~	~~Branemark et al.~~	~~3~~	~~1~~	
PP	A72	4,629,464	12/16/86	Takata et al.	~~623~~	~~16~~	
PP	A73	4,654,314	03/31/87	Takagi et al.	501	82	
PP	A74	4,702,930	10/27/87	Heide et al.	~~427~~	~~2~~	
PP	A75	4,704,126	11/03/87	Baswell et al.	623	10	
PP	A76	5,219,361	06/15/93	von Recum et al.	~~623~~	~~11~~	

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PP	B13	926,552	05/22/73	Canada	~~3~~	~~1~~	N/A
PP	B13	328 067	05/15/75	Austria	~~A 61 C~~	~~008/00~~	No
PP	B14	332 486	11/08/71	Sweden	~~A 61 F~~	~~1/00~~	No
PP	B15	27 17 615 A1	10/26/78	Germany	~~A 61 F~~	~~1/00~~	Abs.
PP	B16	2 421 595	77/03/79	France	~~A 61 C~~	~~8/00~~	Abs.
PP	B17	2,045,083 A	01/11/84	Great Britain	~~A 61 F~~	~~1/00~~	N/A
PP	B18	202 031 A2	11/20/86	Europe	~~A 61 F~~	~~2/04~~	N/A
PP	B19	212 929 A2	03/04/87	Europe	~~A 61 F~~	~~2/30~~	N/A
PP	B20	455 929 A1	01/02/91	Europe	~~A 61 F~~	~~2/42~~	Abs.

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	C56	Bio Materials 1994 Vol. 15, No. 13, pp. 1062-1074 "Bone response to surface modified titanium implants: studies on electropolished implants with different oxide thicknesses and morphology", Larsson et al.
	C57	Journal of Materials Science Materials In Medicine (1997), pp. 721-729 "Bone response to surface modified titanium implants - studies on the tissue response after 1 year to machined and electropolished implants with different oxide thicknesses"
	C58	Strauman SLA: Reducing healing time further
	C59	Strauman Literature Abstracts
	C60	~~Das Prinzip der neuen Ledermann-Schraube (German Reference D3)~~
	C61	~~Philippe D. Ledermann, Dr. med. dent. "Heute so zuverlässig wie vor 50 Jahren" German (Ref. D4)~~
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	C68	Ann Wennerberg DDS et al., "Design and Surface Characteristics of 13 Commercially Available Oral Implant Systems" (Ref. 24)
	C69	~~Philippe D. Ledermann, Dr. med. dent., "Swiss Dent" (Ref. D25)~~
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	C87	~~Microfocus (Ref. D50)~~
	C88	~~Microfocus (Ref. D51)~~
	C89	~~Orale Implantologie (Ref. D58)~~
	C90	"The Influence of Various Titanium Surfaces on the Interface Shear Strength Between Implants and Bone," Clinical Implant Materials, edited by G. Heimke, U.Soltesz and A.J.C. Lee, *Advances in Biomaterials*, Vol. 9, 1990 pgs. 309-314.
	C91	Buser et al., "Influence of Surface Characteristics on Bone Integration of Titanium Implants. A Histomorphometric Study in Miniature Pigs," *Journal of Biomedical Materials Research*, Vol. 25, 889-902 (1991), pgs. 889-902.
	C92	Martin et al., "Effect of Titanium Surface Roughness on Proliferation, Differentiation, and Protein Synthesis of Human Osteoblast-Like Cells (MG63)," *Journal of Biomedical Materials Research*, Vol. 29, 389-401 (1995), pgs. 389-402.

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	C94	Cochran et al., "Evaluation of an Endosseous Titanium Implant With a Sandblasted and Acid-Etched Surface in the Canine Mandible: Radiographic Results," *Clinical Oral Implants Research* 1996: 7: 240-252.
	C95	Kiesweiter et al., "Surface Roughness Modulates the Local Production of Growth Factors and Cytokines by Osteoblast-Like MG-63 Cells," *Journal of Biomedical Materials Research*, Vol. 32, (1996), pgs. 55-63.
	C96	Cochran et al., "Bone Response to Unloaded and Loaded Titanium Implants With a Sandblasted and Acid-Etched Surface: A Histometric Study in the Canine Mandible," *J Biomed Mater Res*, 40 (1998), pgs 1-11.
	C97	Boyan et al., "Titanium Surface Roughness Alters Responsiveness of MG63 Osteoblast-Like Cells to $1\alpha,25\text{-}(OH)_2D_3$," *J Miomed Mater Res*, 39 (1998), pgs. 77-85.
	C98	Buser et al., "Interface Shear Strength of Titanium Implants With a Sandblasted and Acid-Etched Surface: A Biomechanical Study in the Maxilla of Miniature Pigs," *J Biomed Mater Res*, 45 (1999), pgs. 75-83.
	C99	Persson LG, Berglundh T, Sennerby L, Lindhe J., "Re-Osseointegration After Treatment of Peri-Implantitis at Different Implant Surfaces. An Experimental Study in the Dog," *Clin Oral Impl. Res.*, 12 (2001), pgs. 595-603.

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	A71	~~4,330,891~~	~~05/25/82~~	~~Branemark et al.~~	~~3~~	~~1~~	
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PBP	B14	332 486	11/08/71	Sweden	~~A 61 F~~	~~1/00~~	No
PBP	B15	27 17 615 A1	10/26/78	Germany	~~A 61 F~~	~~1/00~~	Abs.
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PBP	B19	212 929 A2	03/04/87	Europe	~~A 61 F~~	~~2/30~~	N/A
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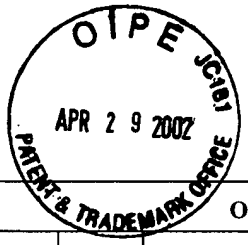

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	C89	~~Orale Implantologie (Ref. D58)~~
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	C97	Boyan et al., "Titanium Surface Roughness Alters Responsiveness of MG63 Osteoblast-Like Cells to $1\alpha,25\text{-}(OH)_2D_3$," *J Miomed Mater Res*, 39 (1998), pgs. 77-85.
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Form PTO-1449 (modified)	Application No.: 09/237,605
LIST OF ART CITED BY APPLICANT	Filing Date: January 25, 1999
	First Named Inventor: Richard J. Lazzara
	Group Art Unit: 3738
	Examiner: Paul Prebilic
Sheet 1 of 1	Attorney Docket No.: 47168-00035USC1

U.S. PATENT DOCUMENTS

Examiner Initial	Ref.	Document Number	Date	Name	Class	Sub-Class	Filing Date (if Application)
PBP	A54	3,022,783	02/27/1962	Tucker, Jr.	~~128~~	~~1~~	
	A55	3,605,123	09/20/1971	Hahn	~~3~~	~~1~~	
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Examiner Initial	Ref.	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
PBP	B8	2 289 160	10/30/1974	France	~~A 61 F~~	~~1/00~~	Abstract
	B9	2 313 678	10/03/1974	Germany	~~A 61 F~~	~~1/00~~	Abstract
	B10	834,256	05/04/1960	U.K.	~~A 01 N~~		N/A

OTHER DOCUMENTS (including author, title, date, pertinent pages, etc.)

Examiner Initial	Ref.	Document Information
PBP	C49	Karagianes, M. T., D.V.M., "*Porous Metals As A Hard Tissue Substitute*," Biomat. Med. Dev., Art. Org., Volume 1, No. 1, pp. 171-181 (1973)
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EXAMINER Paul Prebilic	**DATE CONSIDERED** 7-15-02

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